

Roll No.....

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Code No. : B/2071

Fourth Semester Examination, May 2017

M.Sc. ZOOLOGY

Paper - IV

FISHERIES AND AQUACULTURE

Time : 3 Hrs.

Max.Marks : 80

Note :Section 'A', consists of 10 very short answer type questions, all of which are compulsory and should be attempted first. Section 'B' consists of four short answer type questions with internal options. Section 'C' consists of four long answer type questions with internal choice.

**Section-'A'**

**Answer the following very short-answer-type questions in one or two sentences. (2x10=20)**

- Q-1. What is the principle of composite fish farming?
- Q-2. What are the optimum levels of pH, temperature and dissolved oxygen for fish culture?
- Q-3. What is the characteristic feature of air breathing fish?
- Q-4. Give scientific names of any four species of prawns?
- Q-5. What are the specifications of aquarium fishes?
- Q-6. Give scientific names of any four exotic fishes?
- Q-7. Differentiate between active and passive gears.
- Q-8. What do you mean by spawn, fry and fingerling?
- Q-9. Enlist commercially important processed fish products.
- Q-10. Enlist the types of pearls.

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**Section-'B'**

**Answer the following short-answer-type questions with word limit 200-250. (5×4=20)**

Q-1. Give a brief account of Indian major carps.

**OR**

Briefly write about control of aquatic weeds.

Q-2. Write short notes on indigenous crafts of Western India.

**OR**

Explain the advantages and disadvantages of paddy cum fish culture.

Q-3. Which basic methods are used for preservation of fishes?

**OR**

Write briefly about larvicidal fishes.

Q-4. Write notes on aquarium maintenance of fresh water fishes.

**OR**

Discuss briefly pearl culture technique.

**Section-'C'**

**Answer the following long-answer-type questions with word limit 400-450. (10×4=40)**

Q-1. Write about various types of fish ponds essential for a fish farm and their management.

**OR**

Describe the procedure of induced breeding in fishes and its significance.

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Q-2. Differentiate between composite fish culture and integrated fish farming.

**OR**

Give an account of various fishing gears and their operation methods.

Q-3. Write about different types of fish diseases and their control measures.

**OR**

Describe the practice of intensive fish culture of Magur or Pangass.

Q-4. Describe fresh water prawn culture.

**OR**

Explain the nutritional significance and economic value of fishes.

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